# EYEZONE P102-8

## User Manual



CE FC

Oct 26, 07

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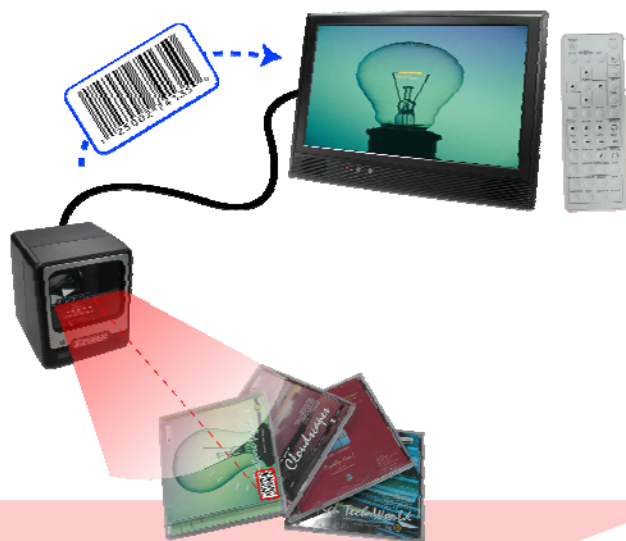
## FCC Notices

It's herewith confirmed to comply with the requirements of FCC Part 15 Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generated uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio of television reception, which can be determined by turning the equipment off or on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

## CE Declaration

This device complies with CE class B.
  *EN55013
   EN61000-3-2
   EN61000-3-3
   EN55020

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# 1. PACKAGE CONTENT

1. P102-8
2. User Manual
3. Remote Control
4. Power Adapter (DC 12V, 2A)
5. Scanner Cable
6. Laser Scanner & Connection Cable
7. Protect Cover

# 2. INTRODUCTION

The Eyezone P102-8 is a digital signage that works with laser scanner. It can play the corresponding file automatically when the laser scanner scans the bar-code. It uses media files from CF, SD, MMC and MS (Pro) memory card and displays them on a 10.2" TFT-LCD with audio-out from the built-in speakers.

The Eyezone P102-8 is an ideal Digital Signage Display solution for advertising, presentations, training, and other media applications.

# 3. FEATURES

- Supports multiple file formats: Picture, Music and Video.
- Supports CF, SD, MMC and MS (Pro) memory card.
- Built-in 10.2" TFT-LCD display and stereo speakers.
- External color and brightness adjustment control buttons.
- Includes a full-function infrared remote control.
- Laser Scanner Function:
  - The P102-8 will play the corresponding file (up to 1000 files) automatically when scan the bar-code.
  - Performs 5 directions of scan filed with a 20 line scan pattern cycling at 1200 scan per second for quick accurate reads.
  - Supports Bar-Code Type

| UPC / EAN/ JAN | Japanese Bookland | Interleaved 2 of 5 |
|---|---|---|
| UPC A & UPC E | Code 39 | Addendum 2 of 5 |
| EAN 8 & EAN 13 | Codabar | MSI / Plessy |
| JAN 8 & JAN 13 | Code 128 & EAN 128 | China Postal Code |
| ISBN / ISSN | Code 93 | Code 32 |

# 3. FEATURES (continued)

- Multi-Language OSD：English, French, German, Italian, Portuguese, Spanish, Netherlands, Japanese and Chinese.
- Supports SLIDE SHOW Function: With 14 kinds of transition effects.
- Supports SLIDE TIME (INTERVAL) Mode：Interval time with 1, 3, 5, 10, 30, 60 seconds.
- Supports MUSIC SLIDE Show：Music and pictures play at the same time.
- Supports ZOOM IN (ON) 4x & PAN, ROTATE, MIRROR, PREVIEW and REPEAT.

# 4. HARDWARE OVERVIEW



# 5. REMOTE CONTROL
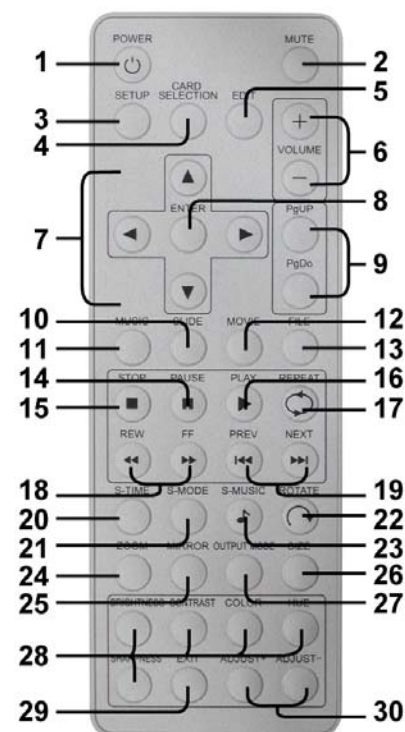


| | |
|---|---|
| 1 | Power on/ off |
| 2 | Mute sound |
| 3 | Open the setup menu |
| 4 | Memory card selection |
| 5 | Show the information of the file selected |
| 6 | Volume up/ down |
| 7 | Move the cursor |
| 8 | Confirm the selection/ entry |
| 9 | Go to the previous/ next page or image |
| 10 | Display all photo files |
| 11 | Display all music files |
| 12 | Display all movie files |
| 13 | Go to file library (all files) |
| 14 | Pause/ resume playback |
| 15 | Stop playback |
| 16 | Play the selected file |
| 17 | Select the repeat mode |
| 18 | Rewind/ forward movies |
| 19 | View the previous/ next file<br>Play the previous/ next file if in playback |
| 20 | Set the slideshow interval to 1, 3, 5, 10, 30, 60 seconds |
| 21 | Set the transition effect |
| 22 | Rotate photo 90 degrees clockwise on the screen |
| 23 | Play music and pictures at the same time |
| 24 | Zoom in the image up to 4x magnification |
| 25 | Mirror the image horizontally |
| 26 | Set the screen type to 16:9 or 4:3 |
| 27 | Select the output mode |
| 28 | Set the Brightness/ Contrast/ Color/ Hue/ Sharpness of the panel |
| 29 | To save and quit the setting screen of panel |
| 30 | Adjust the Brightness/ Contrast/ Color/ Hue/ Sharpness of the panel |

# 6. SETTING UP

- Press the "SETUP" button on the remote control to open the "SETUP MENU – MAIN PAGE" shown in the following figure. There are five groups of sub-menu in the setup menu.

- Use the "▲ 、▼ 、◄ 、►" buttons to select an item or to adjust values, and use the "ENTER" button to go into the function or to confirm the command.
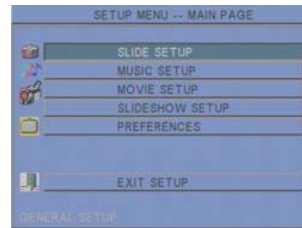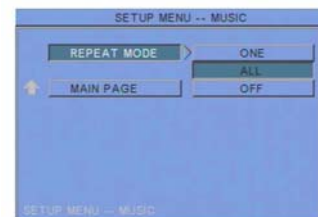
## 6.1 SLIDE SETUP

- **THUMBNAIL DIGEST**：Thumbnails load faster and allow you to browse photos easily.
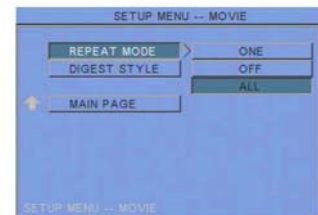
- **DIGEST STYLE**：Choose the slide preview mode. (2x2 / 3x3)
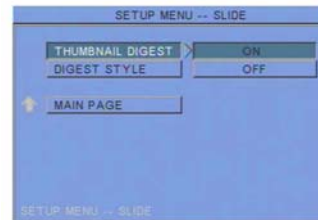
## 6.2 MUSIC SETUP

- **REPEAT MODE**

  • **ONE**：Repeat the selected song.

  • **ALL**：Repeat all the songs on the memory card.

  • **OFF**：Turn off the repeat function.

## 6.3 MOVIE SETUP

- **REPEAT MODE**

  • **ONE**：Repeat the selected movie.

  • **OFF**：Turn off the repeat function.

  • **ALL**：Play all the movies on the memory card.

- **DIGEST STYLE**：Choose the movie preview mode. (2x2 / 3x3)

## 6.4 SLIDESHOW SETUP

- **SLIDESHOW MODE**：Set the slideshow to start automatically.

- **FOLDER REPEAT**：Set all files (picture, music or movie) in the folder to show only once or continuously (loop).

- **INTERVAL TIME**：Set the time each photo is shown to 1, 3, 5, 10, 30 or 60 seconds.

- **TRANSITION (EFFECT)**：Set the transition effect and auto slide with sequential or random playback.

- **AUTO START**：Enable/ disable auto playing media files on the memory card when the device is turned on.

## 6.5 PREFERENCE

- **TV TYPE:** Choose the TV TYPE.

  • **MULTI . SYSTEM**：Set the TV type automatically.

  • **NTSC:** Set the TV type to NTSC.

  • **PAL:** Set the TV type to PAL.

- **VIDEO OUTPUT**：Select the video output mode.

- **OSD LANG:** Select the OSD language (ENGLISH, FRENCH, GERMAN, ITALIAN, JAPANESE, PORTUGUESE, SPANISH and NEDERLANDS).

- **OSD MESSAGE:** Turn the OSD message function on/ off.

- **RESET:** Reset all settings to the original (factory) settings.

- **FIRMWARE :** New F/W can upgraded from the memory card.

  • **EDITION :** Show the F/W versions.
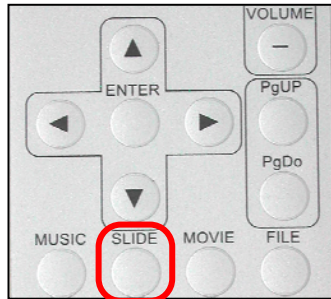
  • **UPDATE :** Used to update the F/W.
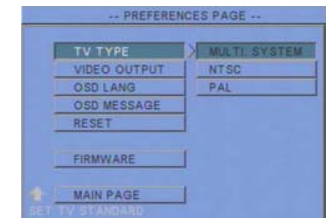
# 7. USING THE P102-8

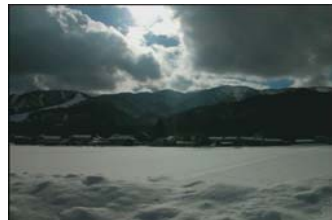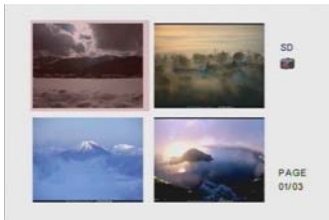Copy files (music, picture and movie) to the memory card first.

## 7.1 PLAY PICTURE FILE

**Step 1:** Press the "SLIDE" button on the remote control from any menu.



**Step 2:** The preview mode will show all the picture files on the memory card.

Use the "▲、▼、◀、▶" buttons to select the picture file, and press the "ENTER"
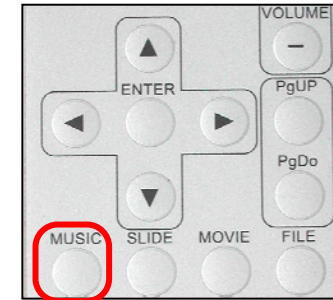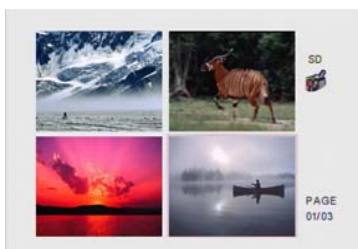
button to play the picture file.



**Step 3:** If the "SLIDESHOW MODE" is disabled, press the "NEXT" button to play the next

picture file, the "PREV" button to play the previous file.



## 7.2 PLAY MUSIC FILE

**Step 1:** Press the "MUSIC" button on the remote control from any menu.



**Step 2:** The "MUSIC LIBRARY" will show all the music files on the memory card.

Use the "▲、▼" buttons to select the music file, and press the "ENTER" button to play

the music file.
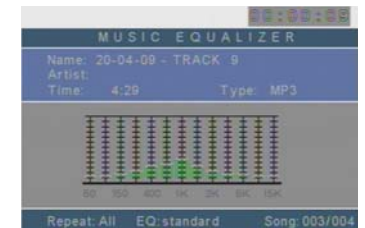


**Step 3:** Press the "NEXT" button to play the next music file, the "PREV" button to play the

previous file.

## 7.3 PLAY MOVIE FILE

**Step 1:** Press the "MOVIE" button on the remote control from any menu.



**Step 2:** The preview mode will show all the video files on the memory card.

Use the "▲、▼、◄、►" buttons to select the movie file, and press the "ENTER"

button to play the movie file.



**Step 3**：Press the "NEXT" button to play the next movie file, the "PREV" button to play the

previous file.



## 7.4 FILE LIBRARY

**Step 1**：Press the "FILE" button on the remote control from any menu.



**Step 2**：You can see all the files (including picture, music and movie) on the left panel of the "FILE

LIBRARY". Press the "▲、▼" buttons to select a file, and the information of the file will

be shown on the right panel.



## 7.5 HOT KEY

You can use the "S-TIME", "S-MODE" or "S-MUSIC" hot key on the remote control without

selecting from the "Setup Menu". (These functions are only used for playing picture files.)

- **S-TIME**：Interval time with 1, 3, 5,.10, 30, 60 seconds.
- **S-MODE**：With sequential, random auto slide shows etc 14 kind of selections
- **S-MUSIC**：Play the picture and music files at the same time.
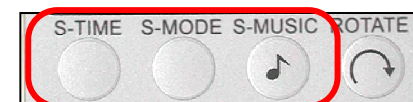
# 8. USING THE LASER SCANNER

■ Copy the media files that you want play to the memory card. The Bar-code and the name of the corresponding file must be the same.

**For example**：Bar-code is 1234567, and names the corresponding file "1234567.xxx". (xxx is the extension)

■ Make sure the "SCANNER" function is enabled first.
"SLIDESHOW SETUP" → "AUTO START" → "SCANNER"
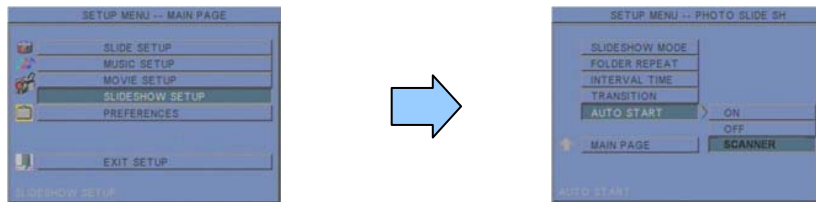


■ Use the laser scanner to scan the bar-code, and the P102-8 will find out and play the corresponding file in the memory card automatically on the screen.

**NOTE**：Keep 5 to 10 centimeters of distances between scanner and bar-code.
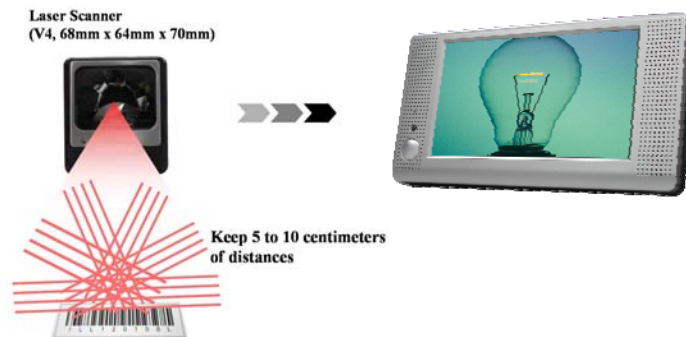


■ If the P102-8 can't find the corresponding file, the message "NO FILE" will be showed on the screen.

■ If the message "READ AGAIN" will be showed on the screen, please scan again.

## 8.1 SET THE LASER SCANNER

Please follow the step below to change the scanner setting.

**Step1.** Scan Enter/ Exit programming mode barcode (2 beeps Low—high).

**Step2.** Scan barcode for the desired feature (1beep).

**Step3.** Scan Enter/ Exit programming mode barcode to save the configuration (2 beeps, long---short).

Enter/Exit Programming Mode
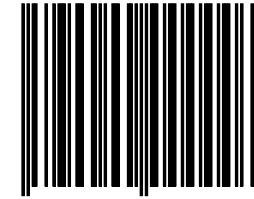


All framed barcode names represent

as default settings.

RESET
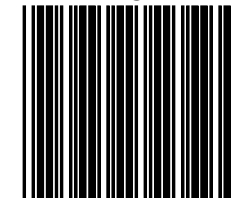


※ The reading of the "RESET" label turns all the parameters back to default values.

Code 39 Enable
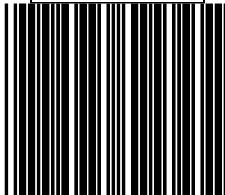
Codabar Enable
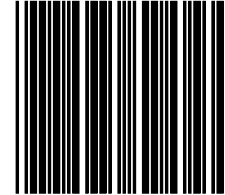
Code 39 Disable
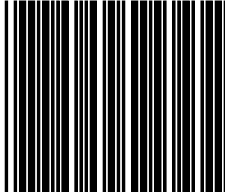
Codabar Disable
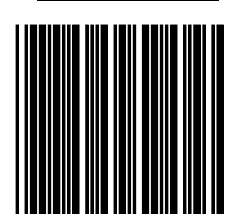
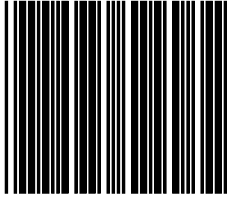UPC/EAN/JAN Enable
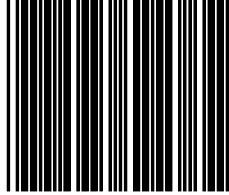
ITF 2 of 5 Enable
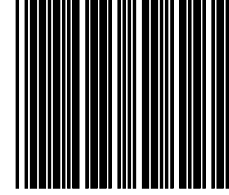
UPC/EAN/JAN Disable
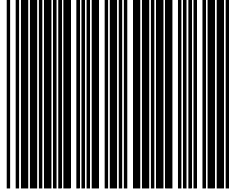
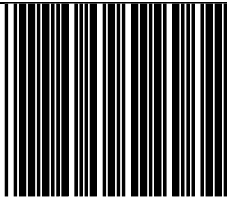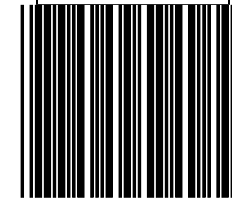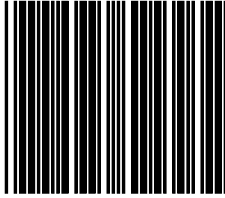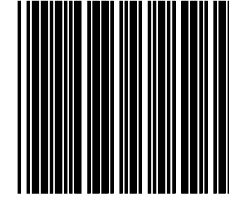ITF 2 OF 5 Disable
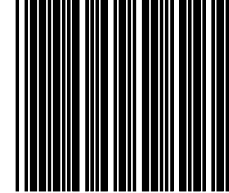
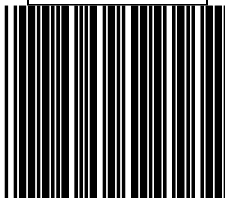Chinese Post Code Enable
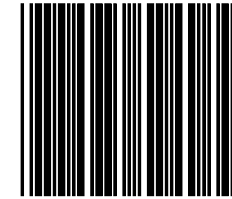
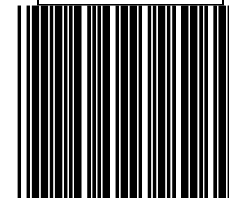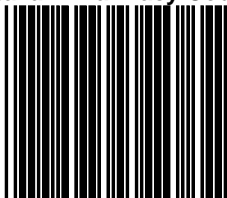Chinese Post Code Disable

Code 128 Disable

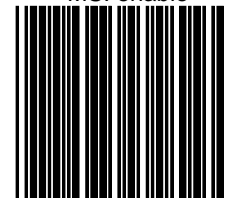Code 93 Enable

EAN-128 Enable
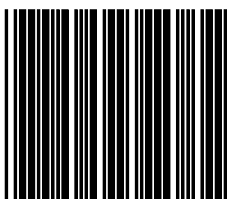
Code 93 Disable

EAN-128 Disable
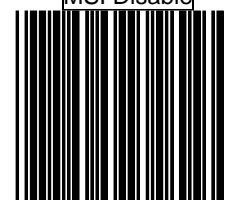
Code 32 Enable
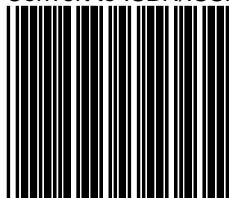**(Italian Pharmacy Code)**

MSI enable

Code 32 Disable
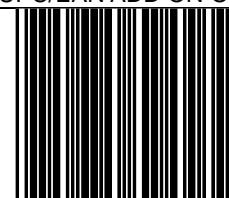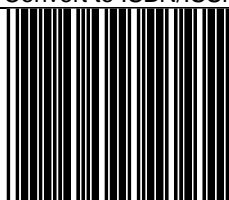**(Italian Pharmacy Code)**

MSI Disable
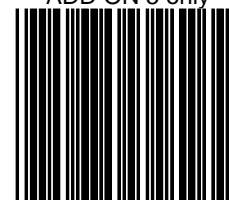
EAN-13 Convert to ISBN/ISSN Enable

UPC/EAN ADD ON OFF

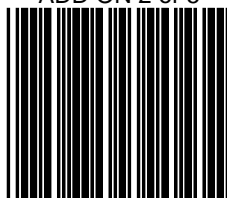EAN-13 Convert to ISBN/ISSN Disable

ADD ON 5 only
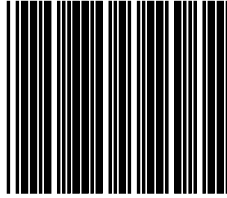
ADD ON 2 only

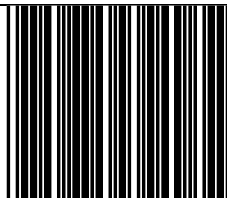EAN/UPC +Add on (none mandatory)

ADD ON 2 or 5

EAN/UPC + Add on ( mandatory)

Force UPC-A to EAN-13 format enable

Force UPC-A to EAN-13 format disable

# 8. TROUBLESHOOTING

| Situation | Check Point |
|---|---|
| No Picture | 1. Check if the power supply is connected.<br>2. Make sure the P102-8 is turned on. |
| No response from the remote control | 1. Make sure there is a clear view between the remote control and the device.<br>2. Change the remote control's batteries. |
| The Laser Scanner is on, but cannot read bar-codes. | 1. The scanner window is dirty and must be cleaned.<br>2. The presented barcode type is not enabled. (refer to 8)<br>3. The barcode type presented is not supported . |
| Memory card | 1. Push cards gently and securely.<br>2. If the card does not insert easily, check the direction.<br>3. Confirm format of the card. The P102-8 supports CF, SD, MMC and MS (Pro) memory card. |
| No sound | 1. Check if the mute function is on.<br>2. Check if the volume is turned up. |